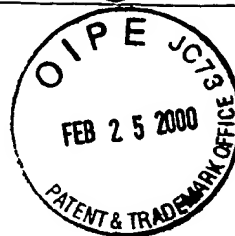


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<110> Gentry, Daniel R.  
Lonsdale, John T.  
Payne, David J.  
Pearson, Stewart C.  
Van Aller, Glenn

<120> Novel FabD

<130> P50593

<140> US 09/308,397

<141> 1999-05-18

<150> US 60/031,160

<151> 1996-11-18

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| acgcaaccag ccattctagc gacttcgggt gctatctacc gtttattgca agaaaagggc  | 240 |
| tatcagcctg atatgggttg tggtttgtct cttggagaat actctgcctt ggtggcaagc  | 300 |
| ggcgccttgg attttgaaga tgcgggttgcc ttggtagcta agcgtggagc ctatatggaa | 360 |
| gaagcggctc ctgctgactc tggcaagatg gtagcagttc tcaatacgcc agtagaggtc  | 420 |
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| acacctgcac aaatcgatc tgcctggagaa gtggttgacg ttgatcgagc ggttgaactt  | 540 |
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35 40 45  
Asp Thr Glu Glu Asp Lys Leu Asn Gln Thr Arg Tyr Thr Gln Pro Ala  
50 55 60  
Ile Leu Ala Thr Ser Val Ala Ile Tyr Arg Leu Gln Glu Lys Gly  
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Tyr Gln Pro Asp Met Val Ala Gly Leu Ser Leu Gly Glu Tyr Ser Ala  
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Cys Gln Lys Ala Ser Glu Leu Gly Val Val Thr Pro Ala Asn Tyr Asn  
145 150 155 160  
Thr Pro Ala Gln Ile Val Ile Ala Gly Glu Val Val Ala Val Asp Arg  
165 170 175  
Ala Val Glu Leu Leu Gln Glu Ala Gly Ala Lys Arg Leu Ile Pro Leu  
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Lys Val Ser Gly Pro Phe His Thr Ala Leu Leu Glu Pro Ala Ser Gln  
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| gccagtatc tagggatggg acgggatttc tatgatcagt atccgattgt caaagaaacg   | 180 |
| attgatcgag cgagtcaggt gctcgggttat gatttacggt atctcatcga tacggaagaa | 240 |
| gacaaactca atcagacccg ctatacgcaa ccagccattc tagcgacttc gggttgctatc | 300 |
| taccgtttat tgcaagaaaa gggctatcag cctgatatgg ttgctgggtt gtctcttgga  | 360 |

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50 55 60  
Ile Leu Ala Thr Ser Val Ala Ile Tyr Arg Leu Leu Gln Glu Lys Gly  
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Tyr Gln Pro Asp Met Val Ala Gly Leu Ser Leu Gly Glu Tyr Ser Ala  
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tcccctagtc ggcaatacag aagctgctgt gatgcaaaaa gaggacattg ctcagctctt 360  
gacgcgtcag gtcaaggaac ccgttcgttt ctatgaaagt attgggggtca tgcaagaagc 420  
aggcataagc aacttattcg agattggacc ggggaaagtc ttgtcagggt ttgttaaaaa 480  
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Ala Asn Tyr Asn Thr Pro Ala Gln Ile Val Ile Ala Gly Glu Val Val  
35 40 45

Ala Val Asp Arg Ala Val Glu Leu Leu Gln Glu Ala Gly Ala Lys Arg  
 50 55 60  
 Leu Ile Pro Leu Lys Val Ser Gly Pro Phe His Thr Ala Leu Leu Glu  
 65 70 75 80  
 Pro Ala Ser Gln Lys Leu Ala Glu Thr Leu Ala Gln Val Ser Phe Ser  
 85 90 95  
 Asp Phe Thr Cys Pro Leu Val Gly Asn Thr Glu Ala Ala Val Met Gln  
 100 105 110  
 Lys Glu Asp Ile Ala Gln Leu Leu Thr Arg Gln Val Lys Glu Pro Val  
 115 120 125  
 Arg Phe Tyr Glu Ser Ile Gly Val Met Gln Glu Ala Gly Ile Ser Asn  
 130 135 140  
 Leu Phe Glu Ile Gly Pro Gly Lys Val Leu Ser Gly Phe Val Lys Lys  
 145 150 155 160  
 Ile Asp Gln Thr Ala His Leu Ala His Val Glu Asp Gln Ala Ser Leu  
 165 170 175  
 Val Ala Leu Leu Glu Lys  
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